

**Palmer**

Attention: Luke Howitt  
PO #/Project: 2207801  
Samples: 111

**SRC Geoanalytical Laboratories**  
2901 Cleveland Avenue, Saskatoon, Saskatchewan, S7K 8A9  
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Report No: G-2023-45

Date of Report: Feb 23, 2023

**Particle Size Analysis**  
Pipette Method

Column Header Details

Sand by Sieve Size Analysis in wt % (Sand)

Silt by Pipette Method in wt % (Silt)

Clay by Pipette Method in wt % (Clay)

Sample Number	Sand wt %	Silt wt %	Clay wt %
SSC0219	26.0	45.5	28.5
AER22TS-1001(-2mm)	22.3	52.9	24.8
AER22TS-1002(-2mm)	55.0	33.5	11.5
AER22TS-1003(-2mm)	31.6	45.5	22.9
AER22TS-1004(-2mm)	10.6	38.6	50.8
AER22TS-1005(-2mm)	3.0	66.2	30.8
AER22TS-1006(-2mm)	33.7	39.8	26.4
AER22TS-1007(-2mm)	21.0	56.6	22.4
AER22TS-1008(-2mm)	13.0	69.0	18.0
AER22TS-1009(-2mm)	56.4	26.3	17.3
AER22TS-1010(-2mm)	37.9	37.4	24.6
AER22TS-1011(-2mm)	30.8	40.7	28.4
AER22TS-1014(-2mm)	36.4	47.8	15.8
AER22TS-1015(-2mm)	13.5	73.1	13.4
AER22TS-1017(-2mm)	28.0	44.6	27.4
AER22TS-1018(-2mm)	5.7	36.8	57.5
AER22TS-1019(-2mm)	20.0	54.6	25.4
AER22TS-1020(-2mm)	2.3	69.0	28.8
AER22TS-1021(-2mm)	25.7	44.6	29.6
AER22TS-1022(-2mm)	32.5	47.0	20.4
SSC0219	25.8	45.6	28.6
AER22TS-1023(-2mm)	16.2	53.7	30.0
AER22TS-1025(-2mm)	66.0	30.9	3.1
AER22TS-1026(-2mm)	2.4	65.5	32.1
AER22TS-1027(-2mm)	24.9	46.9	28.2
AER22TS-1028(-2mm)	27.1	43.1	29.8
AER22TS-1029(-2mm)	6.2	50.5	43.3
AER22TS-1030(-2mm)	13.0	71.8	15.2
AER22TS-1033(-2mm)	12.9	48.3	38.8
AER22TS-1034(-2mm)	31.0	56.4	12.6
AER22TS-1035(-2mm)	25.8	52.1	22.2
AER22TS-1036(-2mm)	19.2	59.8	21.0
AER22TS-1037(-2mm)	19.7	58.1	22.2
AER22TS-1038(-2mm)	19.8	57.2	23.0
AER22TS-1039(-2mm)	15.2	60.7	24.1

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Sample Number	Sand wt %	Silt wt %	Clay wt %
AER22TS-1040(-2mm)	22.5	65.5	12.0
AER22TS-1041(-2mm)	68.9	22.5	8.6
AER22TS-1042(-2mm)	33.4	49.3	17.2
AER22TS-1043(-2mm)	64.7	27.0	8.4
AER22TS-1041(-2MM) R	68.8	22.6	8.6
SSC0219	26.0	45.2	28.8
AER22TS-1044(-2mm)	29.6	47.3	23.1
AER22TS-1045(-2mm)	33.6	48.4	18.0
AER22TS-1046(-2mm)	48.7	41.4	9.9
AER22TS-1047(-2mm)	21.6	58.2	20.2
AER22TS-1048(-2mm)	36.1	37.5	26.4
AER22TS-1049(-2mm)	11.1	56.5	32.4
AER22TS-1050(-2mm)	2.2	77.1	20.8
AER22TS-1051(-2mm)	29.5	52.1	18.4
AER22TS-1052(-2mm)	7.1	32.1	60.8
AER22TS-1053(-2mm)	29.9	57.6	12.5
AER22TS-1054(-2mm)	16.5	58.2	25.2
AER22TS-1057(-2mm)	32.3	50.5	17.2
AER22TS-1058(-2mm)	7.4	66.1	26.6
AER22TS-1060(-2mm)	33.8	45.7	20.6
AER22TS-1062(-2mm)	22.0	42.5	35.5
AER22TS-1063(-2mm)	40.6	43.9	15.5
AER22TS-1064(-2mm)	24.3	52.9	22.8
AER22TS-1066(-2mm)	0.3	75.2	24.5
AER22TS-1067(-2mm)	26.4	49.1	24.5
SSC0219	25.7	45.0	29.3
AER22TS-1068(-2mm)	23.6	57.0	19.4
AER22TS-1069(-2mm)	17.4	58.3	24.3
AER22TS-1070(-2mm)	25.7	48.2	26.2
AER22TS-1072(-2mm)	45.4	44.8	9.8
AER22TS-1073(-2mm)	17.6	56.5	25.9
AER22TS-1074(-2mm)	22.4	58.5	19.1
AER22TS-1075(-2mm)	4.9	57.6	37.6
AER22TS-1076(-2mm)	20.8	56.1	23.1
AER22TS-1077(-2mm)	54.0	29.0	17.0
AER22TS-1078(-2mm)	33.4	49.8	16.8
AER22TS-1079(-2mm)	40.9	43.3	15.8
AER22TS-1080(-2mm)	43.9	33.5	22.6
AER22TS-1082(-2mm)	25.7	59.7	14.6
AER22TS-1083(-2mm)	28.8	55.8	15.4

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Sample Number	Sand wt %	Silt wt %	Clay wt %
AER22TS-1085(-2mm)	2.9	70.5	26.6
AER22TS-1086(-2mm)	16.6	64.4	19.0
AER22TS-1087(-2mm)	25.6	49.6	24.8
AER22TS-1088(-2mm)	29.1	47.3	23.6
AER22TS-1088(-2MM) R	28.8	47.6	23.6
SSC0219	25.8	44.6	29.6
AER22TS-1089(-2mm)	33.0	37.6	29.4
AER22TS-1090(-2mm)	54.9	33.3	11.8
AER22TS-1091(-2mm)	17.9	60.3	21.8
AER22TS-1092(-2mm)	21.0	57.6	21.4
AER22TS-1094(-2mm)	40.0	43.0	17.0
AER22TS-1095(-2mm)	16.4	51.3	32.4
AER22TS-1096(-2mm)	44.2	38.2	17.6
AER22TS-1097(-2mm)	33.8	47.4	18.8
AER22TS-1098(-2mm)	35.8	45.4	18.8
AER22TS-1099(-2mm)	2.9	69.1	28.0
AER22TS-1100(-2mm)	67.4	25.4	7.2
AER22TS-1102(-2mm)	17.5	45.7	36.8
AER22TS-1103(-2mm)	23.6	37.1	39.3
AER22TS-1104(-2mm)	31.2	38.0	30.8
AER22TS-1106(-2mm)	31.8	36.0	32.2
AER22TS-1107(-2mm)	32.9	38.4	28.7
AER22TS-1108(-2mm)	30.9	41.0	28.0
AER22TS-2059(-2mm)	26.0	36.8	37.2
AER22TS-2060(-2mm)	32.4	46.5	21.0
SSC0219	25.5	44.9	29.6
AER22TS-2062(-2mm)	34.8	41.9	23.4
AER22TS-3002(-2mm)	22.2	51.0	26.8
AER22TS-3003(-2mm)	26.8	47.9	25.4
AER22TS-3004(-2mm)	31.3	41.2	27.5
AER22TS-3005(-2mm)	32.7	33.9	33.4
AER22TS-3006(-2mm)	4.1	68.2	27.7
AER22TS-3116(-2mm)	10.0	66.1	23.8
AER22TS-3117(-2mm)	2.3	55.2	42.5
AER22TS-3118(-2mm)	60.1	28.6	11.3
AER22TS-3117(-2mm) R	2.0	55.9	42.0

Sand: determined by sieve analysis.

Silt and Clay: determined by Pipette Method.

The standard is SSC0219.